



NOTES:

- THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
- WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
 - CIMCOOL 5 STAR 49
 - TRIM SOL
- FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
- CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1×10^{-9} TORR CAN BE ACHIEVED
- HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS
- DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR .X - .1 [2.5] - 0°30' .XX - .01 [0.25] .XXX - .005 [0.13] SURFACE ROUGHNESS 125 ✓ REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5 DO NOT SCALE DRAWING		LOG NUMBER A3710203-00 THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY UNIVERSITY OF CHICAGO		
DRAWN BY MUSCIA	DATE 5/19/00	CHIEF DESIGN ENGINEER D. SHU	DATE	ADVANCED PHOTON SOURCE A3-71 LIGHT LOAD PNEUMATIC ACTUATOR BELLOWS UPPER FLANGE
CHECKED BY J. CHANG	DATE	GP LEADER P. DEN HARTOG	DATE	
DESIGNER CHANG/MUSCIA	DATE 5/19/00	PROJECT MGR.	DATE	
RESPONSIBLE ENGINEER J. CHANG	DATE	APPROVED/RELEASED	DATE	
MATERIAL 304 STAINLESS STEEL		SCALE 1:1	SIZE B	DRAWING NUMBER A3-710203-00
		SHEET 14		